

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 10   | ((("3134278") or ("3840979")).PN.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/09/03<br>16:20 |
| S2    | 1    | SJ-1757783-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/03<br>16:27 |
| S3    | 2    | DE-10229134-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/03<br>16:27 |
| S4    | 2    | WO-2004052592-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/03<br>16:29 |
| S5    | 84   | ((("20010010855") or ("20010023566") or ("20010023567") or ("20020095903") or ("20020148879") or ("20030042293") or ("20030056459") or ("20030124375") or ("20030124376") or ("20040084506") or ("20070041843") or ("20070215671") or ("4252587") or ("4261442") or ("4384458") or ("4420987") or ("4462849") or ("4470868") or ("4514242") or ("4515651") or ("4534232") or ("4571226") or ("4868696") or ("4983801") or | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2008/09/03<br>16:31 |

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|-----|-----|--|---|----|----|---------------------|
|     |     | ("5017820") or<br>("5242328") or<br>("5297475") or<br>("5747768") or<br>("5794750") or<br>("5816105") or<br>("5966991") or<br>("6050474") or<br>("6146145") or<br>("6193137") or<br>("6237829") or<br>("6250037") or<br>("6290117") or<br>("6297472") or<br>("6378264") or<br>("6378754") or<br>("6382498") or<br>("6419144") or<br>("6494011") or<br>("6532712") or<br>("6691484") or<br>("6698153") or<br>("6793117") or<br>("6921010") or<br>("7243471") or<br>("7358630")).PN. |   |    |    |                     |
| S6  | 46  | S5 and friction near2 weld<br>\$3 and @ad<"20050311"   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>16:31 |
| S7  | 3   | ("3134278").URPN.  | USPAT   | OR | ON | 2008/09/03<br>16:33 |
| S8  | 4   | (khatuntsev.in. or kuimov.<br>in. or svetlakov.in.) and<br>piezoelectric   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>16:39 |
| S9  | 203 | (khatuntsev.in. or kuimov.<br>in. or svetlakov.in.)  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>16:39 |
| S10 | 0   | S9 and friction near5 weld<br>\$3  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>16:40 |

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| S11 | 1025 | 228/2.1,112.1.cds.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>16:54 |
| S12 | 0    | S11 and friction near5<br>weld\$3 and piezoelectric<br>same actuator same (align<br>\$4 or adjust\$4)           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>16:55 |
| S13 | 45   | S11 and friction near5<br>weld\$3 and actuator<br>same (align\$4 or adjust<br>\$4)                              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>16:56 |
| S14 | 29   | S11 and rotat\$4 near5<br>friction near5 weld\$3 and<br>actuator same (align\$4 or<br>adjust\$4)                | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>17:13 |
| S15 | 2    | friction near5 weld\$3 and<br>piezoelectric same<br>actuator same (align\$4 or<br>adjust\$4)                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>17:23 |
| S16 | 6    | "228".clas. and friction<br>near5 weld\$3 and<br>piezoelectric and actuator<br>same (align\$4 or adjust<br>\$4) | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>17:25 |
| S17 | 11   | ("3541669"   "3563444"  <br>"3564703"   "3691622").<br>PN. OR ("3840979").<br>URPN.                             | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/09/03<br>17:34 |
| S18 | 4    | ("3541669").URPN.   | USPAT   | OR | ON | 2008/09/03<br>17:41 |
| S19 | 2    | (knott-ulrich.in. or bayer-<br>erwin.in. or bussmann-<br>martin.in.) and friction<br>near5 weld\$3              | USPAT   | OR | ON | 2008/09/03<br>17:47 |

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|-----|----|--|---|----|----|---------------------|
| S20 | 10 | (knott-ulrich.in. or bayer-<br>erwin.in. or bussmann-<br>martin.in.) and friction<br>near5 weld\$3 | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/03<br>17:47 |
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9/5/2008 4:17:24 PM

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